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SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
Rev. 8/27/01 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, CP4-9C18, 306-5429.

1/28/03 EIC 2800 85421 5255

Date 1-28-03 Serial # 09/992,966 Priority Application Date March 9, 1998 *Need reference before*

Your Name H. H. Harrison Examiner # 71225

AU 28x7 Phone 305-9788 Room CP4-8804

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

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Circle: USPT DWPI EPO Abs JPO Abs IBM TDB *the available data base checked*

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What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

The invention compares athletic performance between persons by having a mobile sensor attached to each of the athletes, persons which gather data concerning each person's performance and then transmit the data to a central database. The data is then used to compare the athletic performance of the persons. Users can then review the performance comparisons by accessing the database through the Internet.

Some keywords: Internet, web, website, server, network, mobile sensor or sensor attached to user or athlete, speed, airtime, position, GPS, energy, power, distance.

Also check please for any literature that deals with this invention type from a company named "Lipid Spack, LLC" in San Francisco, California

Staff Use Only	Type of Search	Vendors
Searcher: <u>SpookRARE</u>	Structure (#) _____	STN _____
Searcher Phone: _____	Bibliographic <input checked="" type="checkbox"/>	Dialog <input checked="" type="checkbox"/>
Searcher Location: STIC-EIC2800, CP4-9C18	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: <u>1/30/03</u>	Fulltext <input checked="" type="checkbox"/>	Lexis-Nexis _____
Date Completed: <u>1/31/03</u>	Patent Family _____	WWW/Internet <input checked="" type="checkbox"/>
Searcher Prep/Rev Time: <u>60/120</u>	Other <input checked="" type="checkbox"/>	Other <u>company search</u>

22/TI,PN,PD,PY,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Mobile information processing system
Mobiles Informationsverarbeitungssystem
Systeme mobile de traitement d'information
PATENT (CC, No, Kind, Date): EP 1179815 A1 020213 (Basic)

- ...CLAIMS information processing system of claim 1 or 2, wherein the setting means (20) is provided outside the mobile object and is configured so as to **transmit** the personal **information** manager data which has been set through the setting means (20) to the navigation means (1).
7. A mobile information processing system of claim 6,
- wherein the setting means (20) is configured so as to set a travel route of the mobile object and to **transmit data** of the travel route to the navigation means (1).
8. A mobile information processing system of claim 1 or 2, wherein the navigation means (1)...
- ...means (20) for setting personal information manager data including position data; and navigation means (1) for guiding a mobile object along a travel route and **transmitting** traveling status **data** of the mobile object, wherein the setting means (20) is configured so as to automatically update the personal information manager **data** **based** on the traveling status data of the ~~mobile object~~ transmitted from the navigation means (1).
13. A mobile information processing system of claim 11, wherein the navigation means (1) is configured so as to receive...
- ...for inputting, in advance, personal information manager data including position data and time data;
mobile object positioning means for detecting a current position of a **mobile** object;
traffic information **receiving** means for receiving traffic information;
determination means for determining, based on the position data and the time data which have been input through the data inputting means (20), the current position of the mobile object which has been **detected** by the **mobile** object positioning means, and the traffic information received by the traffic information **receiving** means, whether the **mobile** object can arrive at a position corresponding to the position data by a time corresponding to the time data in view of the traffic information...
- ...15. A mobile information processing method, comprising the step of guiding a mobile object along a travel route based on personal information manager data including **position** data and **received** traffic information and in association with the position data.
17. A mobile information processing method, comprising the steps of:
inputting, in advance, personal information manager data including position data and time data;
detecting a current position of a **mobile** object;
receiving traffic information;

determining, based on the position data and the time data which have been input, the detected current position of the **mobile** object, and the **received** traffic information, whether the mobile object can arrive at a position corresponding to the position data by a time corresponding to the time data in...

22. A storage medium storing a mobile information processing...

...determining, based on personal information manager data including position data and time data which have been input in advance, a detected current position of a **mobile** object, and **received** traffic information, whether the mobile object can arrive at a position corresponding to the position data by a time corresponding to the time data in...

22/TI, PN, PD, PY, K/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Mobile radio communication system using a sound or voice activity detector
and convolutional coding

Mobilfunkübertragungssystem mit einem Ton- oder Sprachaktivitätsdetektor
und Faltungskodierung

Système de communication radio **mobile** utilisant un **détecteur** de
présence d'un signal d'activité sonore ou vocale et un codage
convolutionnel

PATENT (CC, No, Kind, Date): EP 680034 A1 951102 (Basic)
EP 680034 B1 020724

convolutionnel

...ABSTRACT receiver section at each of a base station and a mobile
station. In the transmitter section, when a sound-absent section is
detected in sound **data** to be **transmitted**, transmission of the
sound data is stopped, and instead, tail bits are transmitted. The
transmission power is lowered to zero or to a given value...

8. A **receiver** section for a **mobile** radio communication,
comprising:
a receiving section for separating sound-indicative data and
ON/OFF information about a transmission power of said
sound-indicative **data**, from **data transmitted** on a
radio channel;
a first decoder for inputting said sound-indicative data from
said receiving section and for converting said sound-indicative data
into...

...wherein said ambient noise is Hoth noise.

11. The receiver section as set forth in claim 8, wherein said receiver
section is applied to a **mobile** station.
12. The **receiver** section as set forth in claim 8, wherein said
receiver section is applied to a base station.
13. A **receiver** section for a **mobile** radio communication,
comprising:
a receiving section for outputting sound-indicative **data**
transmitted on a radio channel and for outputting
received-power information of said sound-indicative data;
a first decoder for inputting said sound-indicative data from
said receiving section to convert said sound-indicative data...

...for inputting said decoded data from said first decoder and for
converting said decoded data into sound data; and
a control section for inputting said **received-power**
information from said **receiving** section and a result of said
tail bit detection from said first decoder, said control section
determining a sound-absent section or a sound-present section in said
sound-indicative **data based** on said **received-**
power information and said tail bit detection result, and
performing an ON/OFF control of said receiving section, said first
decoder and said second decoder,
wherein...

19. A mobile radio communication system comprising:
(1) a base station including:
(A) a transmitter section including:

(a) a discontinuous transmission control section for detecting a sound-absent section in sound **data** to be **transmitted** on a radio channel and for lowering a transmission power for said sound-absent section;

(b) a convolutional encoder for convolutionally encoding said sound data...

(b) a convolutional encoder for convolutionally encoding said sound data...

...lowered for said sound-absent section where no tail bits are inserted,

(B) a receiver section including:

(a) a receiving section for outputting sound-indicative **data transmitted** on a radio channel and for outputting **received-power** information of said sound-indicative data;

8. A **receiver** section for a **mobile** radio communication, comprising:

a receiving section (401, 501) for separating sound-indicative data and a power information of the sound-indicative **data** from **data transmitted** on a radio channel and outputting said sound-indicative data and said power information;

a first decoder (402, 502) for inputting said sound indicative data...

11. The receiver section as set forth in claim 10, including means for deriving **received-power** information as a ratio of the **received power** of the sound indicative data relative to the **received power** of the pilot signal

16. The **receiver** section as set forth in claim 8, wherein said receiver section is applied to a ...a base station including a transmitter section including

a discontinuous transmission control section (101) for detecting sound-present sections and sound-absent sections in sound **data** to be **transmitted** on a radio channel and for lowering the transmission power for said sound-absent sections;

22/TI,PN,PD,PY,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200243195 A2 20020530 (WO 0243195)

Publication Year: 2002

English Abstract

...for increasing object distances away from the imaging optics. By virtue of the present invention, it is now possible to use both VLDs and high-**speed** CCD-type image **detectors** in conveyor, hand-held and hold-under type scanning applications alike, enjoying the advantages and benefits that each such technology has to offer, while avoiding...

...temporal intensity of the wavefront of the received/scattered PLIB, and the time-varying speckle-noise patterns are temporally and spatially averaged at the image **detection** array during the photo-integration time period thereof, thereby reducing the RMS power of speckle-noise patterns

observed at the image **detection** array

Fig. 1125EI is a perspective view of a PLI[IM-based system of the present invention embodying an speckle-pattern noise reduction subsystem, comprising...planar extend, a micro-oscillating PLIB/FOV reflection element for micro-oscillating the PUB and the field of view (FOV) of the linear CCD image **sensor** transversely along the direction orthogonal to the planar extent of the PLIB, and a stationary PLIB/FOV folding mirror configured together as an optical assembly...comprising (i) an image formation and detection (lFD) module mounted on an optical bench and having a linear (ID) CCD image sensor with vertically elongated image **detection** elements characterized by a large height-to-width (H/W) aspect ratio, (ii) a pair of planar laser illumination modules (PLIMs) mounted on the optical...lFD module, and (iii) a hybrid-type PUB modulation mechanism arranged with each PLIM, and employing a visible laser diode (VLD) driven into a high-**speed** frequency hopping mode (as shown in Figs.

...modified PLIIM-based PID units (without the LDIP Subsystem), wherein the LDIP subsystem in the top PID unit is configured as the master unit to **detect** and dimension packages transported along the belt, while the bottom PID unit is configured as a slave unit to view packages through a small gap...

...are operably connected to an Ethernet control hub (e.g. contained within one of the slave units) of a local area network (LAN) providing high-**speed** data packet

communication among each of the units within the tunnel system;

Fig. 28 is a schematic system diagram of the tunnel-type system shown...

...data (i.e. height, width, and length coordinates) is (i) centrally computed by the master unit and referenced to a global coordinate reference frame, (ii) **transmitted** over the **data** network to

22/TI,PN,PD,PY,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CLOSED LOOP POWER CONTROL FOR COMMON DOWNLINK TRANSPORT CHANNELS
COMMANDE DE PUISSANCE EN BOUCLE FERMEE POUR DES CANAUX COMMUNS DE TRANSPORT
EN LIAISON DESCENDANTE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139452 A1 20010531 (WO 0139452)
Publication Year: 2001

English Abstract

...Channel (FACH) and Downlink Shared Channel (SDCH), by using an existing uplink Common Packet Channel (CPCH) mechanism. After an appropriate access phase and a collision **detection** phase, a **mobile** station sends its closed-loop power control information along with any packet data over the CPCH uplink channel. Concurrently, the base station (BS) begins its downlink transmission of data and control information to the mobile station (MS). The base station **transmits** the packet **data** through the common/shared downlink transport channel, and the power of that transmission is controlled in response to the control information sent by the MS...

Claim

... the BS-spread-spectrum transmitter, over a broadcast common channel, a signal indicating an intent to send packet data to an identified one of the **mobile** stations;
receiving the broadcast common channel at the MS-spread-spectrum **receiver** of the one **mobile** station;
in response to the signal indicating an intent to send, initiating an exchange of spread spectrum signals between the one mobile station and the base...

...the MS-spread-spectrum transmitter of the one mobile station at least power control information based on the measured signal level, over the CPCH channel; **receiving** the **power** control information via the CPCH channel, at the BS spread spectrum receiver;
transmitting the packet **data** for the one mobile station, from the BS-spread-spectrum transmitter of the base station over a common downlink channel; and controlling power level of the packet data transmission over the common downlink channel in response to the **received power** control information.

2 A method as set forth in claim 1, further comprising **transmitting** power control **information**, to the MS-spread-spectrum **receiver** of the one **mobile** station, from the BS-spread-spectrum transmitter of the base station.

8 A method as in claim 1, wherein the at least one spread-spectrum signal comprises the **transmitted packet data**, and the steps of measuring level, **transmitting power control information**, **receiving** the **power** control information and controlling power level continue substantially throughout the packet data

transmission, so as to provide dynamic control of the packet data transmission over...

...is further responsive to the CDMA receiver and controls the CDMA transmitter, such that in operation the CDMA base station performs the additional step of **transmitting** power control **information** to the remote station over a dedicated downlink channel.

.sequence comprising a signature code corresponding to the common packet channel;
detecting a first one of the coded preamble signals of the sequence that is **received** at an adequate **power** level; and
upon detection of the first coded preamble signal at the adequate power level, transmitting an access acknowledgement signal corresponding to the one signature...

...18 A base-band processor as in claim 15, wherein the controller is further arranged such that in operation the base-band processor is for **transmitting** power control **information** to the remote station over a dedicated downlink channel.

22/TI,PN,PD,PY,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DISTRIBUTED CONTROL ARCHITECTURE FOR MOBILE SYSTEMS WITH OVERLAPPING
SERVICE COVERAGE REGIONS

ORGANISATION DE COMMANDE REPARTIE POUR SYSTEMES MOBILES AVEC ZONES DE
COUVERTURE UTILE SUPERPOSEES

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137450 A1 20010525 (WO 0137450)

Publication Year: 2001

English Abstract

...system wherein a satellite (410) generates a plurality of spot beams, and both mobile stations and fixed terrestrial stations within the spot beams receive and **transmit information** on traffic channels (402) and command channels (401), two terrestrial stations (450A, 450B) are assigned a single set of common control channels (401, 404, 406...

Claim

... to alert a mobile to a networkinitiated service initiation, the mechanism for sharing the common channels among

9

NCCs must also factor the intermittent paging **receive** cycles used by **mobiles** to reduce their **receive** duty cycles (and corresponding battery life).

To allow for discontinuous reception whereby terminals only need to wake periodically to receive paging alerts, "paging groups" are...

...a plurality of communication spot beams within a beam footprint, at least a first and second of said spot beams being overlapping;

a plurality of **mobile** terminals operative to **receive** and **transmit information** on traffic channels ...a plurality of communication spot beams within a beam footprint, at least a first and second of said spot beams being overlapping;

a plurality of **mobile** tenninals operative to **receive** and transmit infon-nation on traffic channels and command channels provided within at least one of said spot beams;

a plurality of terrestrial stations, comprising...

...a plurality of communication spot beams within a beam footprint, at least a first and second of said spot beams being overlapping;

a plurality of **mobile** terminals operative to **receive** and **transmit information** on traffic channels and command channels provided within at least one of said spot beams;

Electronic **data base** consulted during the international search (name of **data base** and, where practicable, search terms used)

01/31/2003

09:37

09/992,966

22/TI,PN,PD,PY,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A METHOD FOR INITIATING IN A TERMINAL OF A CELLULAR NETWORK THE MEASUREMENT
OF POWER LEVELS OF SIGNALS AND A TERMINAL
PROCEDE DE LANCEMENT DE LA MESURE DE NIVEAUX DE PUISSANCE DE SIGNAUX DANS
UN TERMINAL DE RESEAU CELLULAIRE, ET TERMINAL
Patent and Priority Information (Country, Number, Date):
Patent: WO 200074421 A1 20001207 (WO 0074421)
Publication Year: 2000

Claim

... claims. According to the invention some network element transmits to
the terminal a list of threshold values for the signal strength. By
comparing the signal **powers received** by the terminal with
said threshold values the terminal decides whether it shall initiate a
measurement of the signal strengths of a second cellular radio...

Documentation searched other than rninimurn documentation Lo the extent
that such documents are included in the fields searched Electronic
data base consulted during the international search (name of
data base and. where practicable, search terms used)

22/TI,PN,PD,PY,K/8 (Item 8 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

FORWARD LINK POWER CONTROL OF MULTIPLE **DATA** STREAMS **TRANSMITTED**

TO A MOBILE STATION USING A COMMON POWER CONTROL CHANNEL
REGLAGE DE PUISSANCE EN LIAISON AVAL DE TRAINS DE DONNEES MULTIPLES
TRANSMIS A UNE STATION MOBILE PAR VOIE COMMUNE DE REGLAGE DE PUISSANCE
Patent and Priority Information (Country, Number, Date):
Patent: WO 200062443 A1 20001019 (WO 0062443)
Publication Year: 2000

English Abstract

...base station to a mobile station in a mobile radio communication system. The first and second data streams are transmitted from the base station and **received** at the **mobile** station. A stream of power control commands is formed at the mobile station in accordance with either the first or second **received** data stream. A **power** control signal is formed at the mobile station from the first stream of power control commands and transmitted to the base station. A **received** stream of **power** control commands is formed from the **received power** control signal at the base station, and the transmit power levels of the first and second data streams from the base station are controlled in accordance with the **received** stream of **power** control commands.

1 In a mobile radio telephone communication system,, a method for controlling transmit power levels of a plurality of different **data** streams **transmitted** from at least one base station to a mobile station, comprising the steps of:

- (a) **transmitting** a first **data** stream from the at least one base station to the mobile station, and **transmitting** a second **data** stream from the at least one base station to the **mobile** station;
- (b) **receiving** the first and second data streams at the mobile station;
- (c) forming a first stream of power control commands at the mobile station in accordance...

...the

- first stream of power control commands;
- (e) transmitting the power control signal from the mobile station to the at least one base station;
- (f) **receiving** the **power** control signal at the at least one base station;
- (g) forming a first **received** stream of **power** control commands from the **received power** control signal at the at least one base station; and
- (h) controlling a transmit power level of the first data stream from the at least one base station in accordance with the first **received** stream of **power** control commands, and controlling a transmit power level of the second data stream from the at least one base station in accordance with the first **received** stream of **power** control commands.

2 The method of claim 1, wherein the radio telephone communication system includes first and second base stations,, and step (a)

comprises:

(a) **transmitting** the first **data** stream from the first and second base stations to the mobile station, and **transmitting** the second **data** stream from the second base station to the mobile station;

step (b) comprises:

(b) **receiving**, at the **mobile** station, the first data stream from the first base station and from the second base station, and receiving the second data stream from the second...

3 The method of claim 1, wherein the radio telephone communication system includes first and second base stations, and step (a)

comprises:

(a) **transmitting** the first **data** stream from the first and second base stations to the mobile station, and **transmitting** the second **data** stream from the first and second base stations to the mobile station;

step (b) comprises:

(b) **receiving**, at the **mobile** station, the first data stream from the first base station and from the second base station, and **receiving**, at the **mobile** station, the second data stream from the first base station and from the second base station;

step (c) comprises:

(c) forming a first stream of...

22/TI,PN,PD,PY,K/9 (Item 9 from file: 349)
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COORDINATING DIFFERENT TYPES OF MESSAGES SENT TO MOBILE RADIOS IN A MOBILE COMMUNICATIONS SYSTEM

COORDINATION DE DIFFERENTS TYPES DE MESSAGES ENVOYES A DES RADIOS MOBILES DANS UN SYSTEME DE COMMUNICATION MOBILE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200052948 A1 20000908 (WO 0052948)

Publication Year: 2000

English Abstract

The present invention coordinates paging, network restriction, and other network-based communications (e.g., **mobile measurement** requests for O & M) in a mobile telecommunications network. Paging messages, network messages, and other messages may be consolidated in one message so that the...

Claim

... of mobile radio stations communicating via a radio network, a method performed by one of the mobile stations, comprising:

determining a time when the one **mobile** station is to **receive information transmit** from the radio network;

at that determined time, receiving a message transmit from the radio network; and determining if a first type of information and...broadcast channel different than the paging channel.

24 A mobile radio station for communicating in a telecommunications system via a radio network, comprising:

transceiver circuitry **transmitting** and receiving **information** with the radio network; electronic data processing and control circuitry determining a time when the radio network transmits over a radio channel first and second...

...coordinating first and second types of radio messages by providing a single network message group to which a mobile station belongs so that when the **mobile** station **receives** and processes a message corresponding to that network message group, the mobile station obtains both first and second types of information pertinent to the mobile...

...claim 38, wherein the message corresponding to the network message group is transmitted during a specified time interval, and wherein the mobile station leaves a **power** savings mode to **receive** the message during the specified time interval.

40 The method in claim 38, wherein the first type of radio network message is a paging message...by classification symbols)

IPC 7 H040

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic **data base** consulted during the international search (name of **data base** and, where practical. search terms used)

22/TI,PN,PD,PY,K/10 (Item 10 from file: 349)
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SECURITY NETWORK AND SYSTEM
RESEAU ET SYSTEME DE SECURITE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200052658 A1 20000908 (WO 0052658)
Publication Year: 2000

Claim

... concentrator units.

12 A security system according to any one of claims 10 to 11, wherein the measured distance is used to perform perimeter **monitoring** of a **mobile**/portable unit and the optionally measured direction is used for said perimeter monitoring.

13 A security system according to any one of claims 10 to 12, wherein the perimeter **monitoring** range of a **mobile**/portable unit performed by a home-based unit, is expanded by using the perimeter monitoring functions of other home-based units located in the vicinity of said home-based units, said other home-based units being suitable to **monitor** said **mobile**/portable unit

17 A security system According to claim 16, wherein the location of a **mobile**/portable unit is **calculated** by a communication center based on the measured or calculated distances from three or more home-based units to a said **mobile**/portable unit.

18 A security system according to any one of claims 16 to 17, wherein the location of a **mobile**/portable unit is **calculated** by a communication center based on the measured distances from a home-based unit to said **mobile**/portable unit and based on measurements performed by ...

19 A security system according to any one of claims 16 to 18, wherein the distance from a home-based unit to a **mobile**/portable unit is **calculated** by said home-based unit which listen to the distance measurement process between another home-based unit to said ... **mobile**/portable unit and by knowing the distance between both home-based units. . A security system according to claim 16, wherein the location of a **mobile**/portable unit is **calculated** by a home-based unit or by a local computer connected to a home-based unit, based on the measured or calculated distances from three...

23 A security system according to claim 16, wherein the location of a **mobile**/portable unit is **calculated** by the **mobile** /portable unit itself based on the measured distances from three or more home-based units to said **mobile**/portable unit, said distances being **measured** by said **mobile**/portable unit or **measured** or calculated by said home-based units and transferred back to said **mobile**/portable unit.

24 A security system according to any one of claims 22 to 23, wherein the location of a **mobile**/portable unit is used by said **mobile**/portable unit to perform self **monitoring** functions, guidance functions,

speed and direction **measurement**, or the like operations. . A security system according to any one of claims 1 to 24, wherein more than one home-based unit perform the **monitoring** of a **mobile** /portable unit, said **monitoring** being performed simultaneously or not simultaneously by said more than one home-based units.

aid units and/or to control other units attached thereto, and/or request any kind of information, including operational status, billing information, measured range, calculated **position**, **received** messages, graphic information and audio or video information.

37 A method according to claim 36, wherein the home-based unit(s) perform a location procedure and **transmit data** indicative of the location of the person in need of assistance, or of the monitored object, to the communication center.

38 A method according to any one of claims 34 to 37, wherein the home-based unit(s) perform perimeter **monitoring** of a **mobile** /portable and optionally **measure** the direction for said perimeter monitoring.

41 A method according to any one of...

...from three or more home-based units to a said mobile/portable unit.

42 A method according to claim 41, wherein the location of a **mobile** /portable unit is **calculated** by a communication center based on the measured or calculated distances from three or more home-based units to a said mobile/portable unit. . A method according to any one of claims 41 to 42, wherein the location of a **mobile**/portable unit is **calculated** by a communication center based on the measured distances from a home-based unit to said mobile/portable unit and based on measurements performed by...

45 A method according to claim 41, wherein the location of a **mobile** /portable unit is **calculated** by a home-based unit or by a local computer connected to a home-based unit, based on the measured or calculated distances from three...

...46, wherein the location of a mobile/portable unit is sent back to said mobile/portable unit. . A method according to claim 41, wherein the **mobile**/portable unit **calculates** its own location based on the measured distances from three or more home-based units to said mobile/portable unit, said distances being **measured** by said **mobile**/portable unit or **measured** or calculated by said home-based units and transferred back to said mobile/portable unit.

22/TI,PN,PD,PY,K/11 (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DEVICE AND METHOD OF CONTINUOUS OUTER-LOOP POWER CONTROL IN DTX MODE FOR
CDMA MOBILE COMMUNICATION SYSTEM
DISPOSITIF ET PROCEDURE DE REGULATION DE PUISSANCE CONTINUE PAR BOUCLE
EXTERIEURE EN MODE DE TRANSMISSION DISCONTINUE DESTINES A UN SYSTEME DE
COMMUNICATION MOBILE AMCR

Patent and Priority Information (Country, Number, Date):

Patent: WO 200048336 A1 20000817 (WO 0048336)

Publication Year: 2000

English Abstract

...CDMA mobile communication system. In an outer-loop power control method for a non-frame data transmission period of a dedicated control channel (DCCH) which **transmits** frame **data** discontinuously, the signal-to-noise ratio (SNR) of **power** control bits (PCBs) **received** at a **mobile** station from a base station is measured for the frame period, and it is determined whether the frame has errors based on the measured SNR...

Claim

20

CLAIMS:

1 An outer-loop power control method for a non-frame data transmission period of a dedicated channel which **transmits** frame **data**

discontinuously, the method comprising the steps of:

measuring the signal-to-noise ratio (SNR) of **power** control bits (PCBs)

received at a **mobile** station from a base station over a frame period;

determining whether a received frame has errors based on the measured SNR; and

increasing a...

3 The method recited in Claim 2, wherein the received frame error determination step comprises the steps of

detecting a frame error **rate** (FER) corresponding to the SNR of the PCBs

from a look-up table including corresponding FERs for measured SNRs;

generating a random coefficient; and

determining...

7 An outer-loop power control method for a non-frame data transmission period of a dedicated channel which **transmits** frame **data**

discontinuously, the method comprising the steps of:

measuring the SNR of a pilot channel signal received at a base station from a mobile station over...

...value and a second threshold.

13 An outer-loop power control device for a non-frame data transmission period of a dedicated channel which **transmits** frame **data**

discontinuously, comprising:

an SNR measurer for measuring a SNR of PCBs **received** at a **mobile** station from a base station over a frame period;
a frame error detector for determining whether the received frame has an error based on the...

18 An outer-loop power control device for a non-frame data transmission period of a dedicated channel which **transmits** frame **data** discontinuously, comprising:
an SNR measurer for measuring the SNR of a pilot channel signal received at a base station from a mobile station over a...outer-loop power controller.

23 An outer-loop power control method for a non-frame data transmission period of a dedicated control channel (DCCH) which **transmits** frame **data** discontinuously, the method comprising the steps of
measuring the signal-to-noise ratio (SNR) of **power** control bits (PCBs) **received** at a **mobile** station from a base station over a frame period;
determining whether a received frame has errors based on the measured SNR;
increasing a closed-loop...H04B 7/005, H04B 1/00
Documentation searched other than minimum documentation to the extent that such documents are included in the files searched Electronic **data base** consulted during the international search (name of **data base** and, where practicable, search terms us

22/TI,PN,PD,PY,K/12 (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD; AND ASSOCIATED APPARATUS, FOR SELECTIVELY PERMITTING TRANSMISSION
OF PACKET DATA TO A MOBILE TERMINAL
PROCEDE, ET APPAREIL ASSOCIE, D'AUTORISATION SELECTIVE DE TRANSMISSION DE
PAQUETS DE DONNEES A UN TERMINAL MOBILE

Patent and Priority Information (Country, Number, Date):

Patent: WO 9916268 A1 19990401

Publication Year: 1999

English Abstract

...14) (104, 112, 114). A determination is made at the mobile terminal
(14) whether to permit transmission of packet data thereto (124, 174).
The packet data is **transmitted** (176) to the mobile terminal
(14) if permission is granted by the mobile terminal (14). ...

Claim

1 . In a method for communicating packet data between a sending station
and a **mobile receiving** station in a radio communication
system, the **mobile receiving** station coupled by way of a
radio interface to network infrastructure, the sending station coupled to
the network infrastructure, and the radio interface including a short
message channel and a packet channel, an improvement of a method for
selectively permitting transmission of the packet data to the
mobile receiving station, said method comprising the steps
of detecting at the network infrastructure the packet data originated by
the
1 0 sending station;
1 5 **mobile receiving** station;
detecting, at the **mobile receiving** station, the indication of
the identity of the sending station sent by way of the short message
channel during said step of
sending;
selecting, at the **mobile receiving** station, whether to accept
2 0 transmission of the packet data originated by the sending station
responsive to the indication of the identity of the sending station
detected at the **mobile receiving**
station; and
sending, by way of the packet channel, the packet data to the
mobile
receiving station if the transmission is accepted at the
mobile receiving station during 2 5 said step of selecting.

2 The method of claim 1 wherein the packet data originated by the
sending station includes a header portion, the header portion including
an address of the **mobile receiving** station at which the
packet data is to be terminated, wherein the **network** infrastructure
includes a **database** for storing data, indexed against the address 3
0 of the **mobile receiving** station, at which the **mobile**
receiving station is last-registered to be located, and wherein
said method comprises the further step of, subsequent to said step of
detecting the packet data originated at the sending station, of
interrogating the database by the GPMSC to determine an area at which
the **mobile receiving** station is last-registered to be
located.

01/31/2003

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09/992,966

23/TI,PN,PD,PY,K/1 (Item 1 from file: 349)
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FLEET MANAGEMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE DE GESTION DE PARC AUTOMOBILE
Patent and Priority Information (Country, Number, Date):
Patent: WO 9945519 A2 19990910
Publication Year: 1999

4 MDT application is Erozen Unknown system error. Try WARM BOOT first or
else have a Field Service
Personnel **perform** a COLD
BOOT bv resettin@ the unit.

5 LINK says "DOWN" on See item 2. See item 2.
the Primarv screen

6 "BATT: LOW" or The MDT is...data on a display screen of the user
interface.

22 The computer program product of claim 19 wherein the code that
processes the positioning data **calculates** a **speed** of the
positioning system.

23 The computer program product of claim 19 wherein the code that
processes the positioning data calculates a heading of the...

01/31/2003

09:43

09/992,966

23/TI,PN,PD,PY,K/2 (Item 2 from file: 349)
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DISTRIBUTED INTELLIGENCE NETWORK USING TIME AND FREQUENCY MULTIPLEXING
RESEAU INFORMATIQUE DECENTRALISE A MULTIPLEXAGE TEMPOREL ET EN FREQUENCE
Patent and Priority Information (Country, Number, Date):

Patent: WO 9013956 A1 19901115
Publication Year: 1990

Claim

... of the bit times are calculated by taking
the bit period, that is, the time between the start and-the end
of a bit as **measured** in high **speed** clock 1136 periods, and
dividing by two. This measurement can be made by a counter
within bit synchronizer 1138 which is started when a bit...

27/TI,PN,PD,PY,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD FOR SETTING ZONE-DEPENDENT OPERATIONAL PARAMETERS OF A MOBILE
TERMINAL, CORRESPONDING MOBILE TERMINAL AND ZONE **INFORMATION**

TRANSMITTER

PROCEDE DE REGLAGE DE PARAMETRES DE FONCTIONNEMENT DEPENDANT DE LA ZONE
D'UN TERMINAL MOBILE, TERMINAL MOBILE CORRESPONDANT, ET TRANSMETTEUR
D'INFORMATION DE ZONE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200213557 A1 20020214 (WO 0213557)

Publication Year: 2002

English Abstract

...moreover, relates to a mobile terminal, for which operational
parameter settings exist, which depend on a wirelessly sent zone
information, as well as a zone **information transmitter** (120)
for signaling a zone information for setting operational parameters of a
mobile terminal. The invention, moreover, relates to a computer program
for executing the...

Claim

... car, a theatre, a restaurant or a church. To a location zone a zone
information is respectively allocated, which designates the location
zone. Said zone **information** is wirelessly **transmitted** in a
limited transmission area. Transmission area and location zone may be
identical. A zone **information transmitter** may, for example,
send out the zone information "Conference room" inside a conference room,
which results in a certain operational parameter setting in the terminal
...

...in certain time intervals. In the simplest case, the reception of the
zone information takes place in one step, i.e. if only the zone
information as such is **transmitted** by the zone
information transmitter. Alternatively, the reception of the
zone information may take place in several steps by comprising an
authentication dialogue or a decryption. Upon the reception the...method
for setting operational parameters of a mobile terminal having
operational parameter settings, which depend on a location zone of the
terminal, wherein a zone **information** being wirelessly
transmitted in a limited transmission area is allocated to the
location zone, and comprises the steps of receiving the zone information
by the terminal, determining a...

...a location zone, e.g. a Bluetooth pico cell, but also the distance to
the corresponding control instance, e.g. the car or the zone
information transmitter. Thereby the setting of operational
parameters is limited to a certain distance from the control instance.
This is Basically one or all communication partners, i.e. the mobile
phone and / or the zone **information transmitter**, become
localisation aware, i.e. the distance of two communicating partners is
determined. In one embodiment this is enabled by external means, e.g., an
additional device like a **GPS** device connected to the mobile
terminal or to the zone **information transmitter**, which
generates localisation **information**, or by internal means of the

mobile terminal, e.g., by determination of signal strength of the received zone information signal and thereby approximating the...
12 Method according to claim 10 or 11, wherein the distance parameter value is determined by means of a signal received from a...
...the distance parameter value with a reference value. . Method according to one of the preceding claims, wherein the switchover to the first transmission means is **performed** on a **user** request.

27/TI,PN,PD,PY,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS TO DISCOVER SERVICES USING FLEXIBLE SEARCH CRITERIA
PROCEDE ET DISPOSITIF PERMETTANT DE TROUVER DES SERVICES A L'AIDE DE
CRITERES DE RECHERCHE SOUPLES

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186419 A2 20011115 (WO 0186419)

Publication Year: 2001

Claim

... other embodiments, an error detection scheme such as cyclic redundancy checking may be used. Cyclic redundancy checking is a method of checking for errors in **data** that is **transmitted** on a communications link. In an embodiment using cyclic redundancy checking, the sender applies an n-bit polynomial to the message and appends the resulting... identification such as a digital signature for identification and authorization. Any other method of identification and authorization may be used. Once identified and authorized, the **user** may then **perform** various operations on the client, including accessing one or more services in the distributed computing environment. During these operations, as described above, one or more...be applied in other distributed computing environments, for example, the Jini system from. Sun Microsystems, Inc. In one embodiment, a mobile client device may include **Global Positioning System**. (GP

27/TI,PN,PD,PY,K/7 (Item 7 from file: 349)
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MESSAGE AUTHENTICATION USING MESSAGE GATES IN A DISTRIBUTED COMPUTING
ENVIRONMENT

AUTHENTIFICATION DE MESSAGES PAR PORTES DE MESSAGES DANS UN ENVIRONNEMENT
INFORMATIQUE REPARTI

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186393 A2-A3 20011115 (WO 0186393)

Publication Year: 2001

Claim

... other embodiments, 'an error detection scheme such as cyclic redundancy checking may be used. Cyclic redundancy checking is a method of checking for errors in **data** that is **transmitted** on a communications link. In an embodiment using cyclic redundancy checking, the sender applies an n-bit polynomial to the message and appends the resulting...In one embodiment, levels of access may also be determined by a client's capabilities. For example a thin client may not be able to **download** large **data** files, and thus may be restricted from using a message requesting the download of a large data file.

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In one embodiment, the client may...other embodiments, an error detection scheme such as cyclic redundancy checking may be used. Cyclic redundancy checking is a method of checking for errors in **data** that is **transmitted** on a communications link. In an embodiment using cyclic redundancy checking, the sender applies an n-bit polynomial to the message and appends the resulting...identification such as a digital signature for identification and authorization. Any other method of identification and authorization may be used. Once identified and authorized, the **user** may then **perform** various operations on the client, including accessing one or more services in the distributed computing environment. During these operations, as described above, one or more...be applied in other distributed computing environments, for example, the first system from Sun Microsystems, Inc. In one embodiment, a mobile client device may include **Global Positioning System (GPS)** capability and wireless connection technology. Local distributed computing networks may be provided. For example, a city may provide a cityw(inverted exclamation mark)de distributed...

...or data advertisements for accessing services of and information about the entity the space represents. The discovery mechanism may include a **GPS** location or locations of the local distributed computing environment, entities represented by space services within the environment, and/or the various services advertised in the spaces...

...intervals, provide a location vector as input to the local lookup or discovery mechanism. The mobile client device may obtain the location vector from a **GPS** system built into or associated with the mobile client. In one embodiment, the client may send its location information (e.g. via XML messaging) to...the service and some on the client. For example, the service may execute code to perform operations on a set of data such as numerical **calculations**. The **mobile** client device may execute code that may display portions of the data passed to the

27/TI,PN,PD,PY,K/8 (Item 8 from file: 349)
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ANY-TO-ANY COMPONENT COMPUTING SYSTEM

SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135216 A2-A3 20010517 (WO 0135216)

Publication Year: 2001

Claim

... the associated concepts. FIG. 18 is a diagram illustrating the Co-Reducing Concept principle. FIGS. 19A-19H are diagrams listing the generic field names and **data** categories used in one embodiment of the present invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

The present invention may be embodied in an Any-to-Any computing machine that can be used to effectively simulate human-type **information** processing. Turning to the figures, in which like elements refer to the same elements throughout the several figures, FIG. 1 is a functional block diagram...

...by their structured nature, unambiguous. For example, structured inputs typically include buttons, selection lists, check boxes, text boxes and similar items and can include structured **data** of any type. An example of the interface control system 14 is described in the commonly-owned co-pending United States Patent Application No. entitled ...of the same record in the Data Relation Table 17 to indicate that these components have a combined meaning (in the case of non-software **data**) or a combined function (in the case of software-type records) in that record. For example, the term "faxed" can be said to be comprised ...meanings that simultaneously satisfies the requirements for all the meanings. This method of determining meanings has the benefit of finding when a given thought - as **transmitted** by words - is in fact complete and stands on its own, and can therefore be processed. Typically, the rule base 36 can be optimized by...used by 10 the Data Relation Table 17, so that NCL records created for the NCL dictionary 38 can be readily entered into the **Data** Relation Table 17, and **data** records in the Data Relation Table can likewise be translated back into words using the NCL dictionary 38. The Data Classification interface 26 includes five...he can specify in his Modules, and he only needs to write the specific Logics needed to perform the data transformation that he wishes to **perform**, but which do not already exist. This substantially reduces construction time. Thus, the logics table 28 includes a first column for the record number - which...

...function triggering data specifies the TS triggering coordinates at which said central processor is to (i) decrypt said encrypted input image into a decrypted image **data** set, and (ii) **transmit** said decrypted image **data** set through said data output port to said data output device for display, and upon said **GPS** receiver producing a TS-stamp data element representative of said TS triggering coordinates, said central processor automatically (i) decrypts said encrypted image data set into said decrypted image **data** set, and (ii) **transmits** said decrypted image **data** set through said data output port to said data output device for display.

information server includes (1) a **GPS** receiver and associated antenna for receiving **GPS** signals from signal sources associated with a **GPS** system symbolically embedded within a global reference system, and processing said received **GPS** signals so as to automatically produce time and space (TS) stamp data element representative of the time and space coordinates of said **GPS**-enabled information server with respect to said global reference system at each data sampling instant occurring within said **GPS**-enabled information server, and (2) a network interface for **transmitting data** elements to and receiving data elements from said host computing device over said information network, said GSU comprising:

a **GPS** Receiver and an associated antenna for receiving **GPS** signals from signal sources associated with a **GPS** system symbolically embedded within a global reference system, and processing said received **GPS** signals so as to automatically produce time and space (TS) stamp data element representative of the time and space coordinates of said GSU within said ...

27/TI, PN, PD, PY, K/10 (Item 10 from file: 349)
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ATHLETE'S GPS-BASED PERFORMANCE MONITOR

DISPOSITIF SERVANT A CONTROLER LES **PERFORMANCES** D'UN **ATHLETE** ET
BASE SUR LE SYSTEME **GPS**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9949279 A1 19990930

Publication Year: 1999

English Abstract

This invention is a **Global Positioning System (GPS)** based personal **athletic performance** monitor for providing an athlete with real time **athletic performance** feedback data such as elapsed exercise time, distance covered, average pace, elevation difference, distance to go, and/or advice for reaching preset targets. The monitor is integrated with an AM/FM/TV personal radio (607), and the **athletic performance** feedback is provided through a set of audio headphones (202) using an audio module (606). The monitor can be connected to an external personal computer...

Claim

- 1 A portable feedback system providing regular updates on an **athlete's performance**, comprising:
a **global positioning system GPS** receiver that obtains a
series of time-stamped waypoints;
means for computing **athletic performance** feedback data from the series of time-stamped waypoints obtained by said **GPS** receiver; and
means for presenting the **athletic performance** feedback data to an athlete.
 - 8 A portable personal performance monitor comprising a **global positioning system GPS** unit for acquiring time stamped geographical position data of an athlete and converting said position data into **athletic performance** feedback data, and a radio with an audio headset, said **GPS** unit and said radio being integrated into a single unit, and means for presenting the **athletic performance** feedback data over said audio headset.
 - 9* A portable personal performance monitor as recited in claim 8, further comprising means for muting said radio when the **athletic performance** feedback data is presented over said audio headset.
 - 10 A portable personal performance monitor as recited in claim 8, wherein said **GPS** unit comprises an external antenna mounted on said audio headset,
- 28
- , A portable personal performance monitor as recited in claim 8, wherein said **GPS** unit comprises an external antenna, and further comprising a baseball cap to which said external antenna is attached.

- 13 A portable personal performance monitor as recited in claim 12, wherein said buttons comprise:
a start button for starting and resuming data collection;
a pause button for suspending data collection; and
another button for obtaining immediate **athletic performance** updates from said **GPS** unit,
- 14* A portable personal performance monitor as recited in claim 8, further comprising a memory storage device and a central processing unit for controlling operation of said **GPS** unit.
- 15* A portable personal performance monitor as recited in claim 14, further comprising a sensor for sensing atmospheric pressure, an output of said sensor to said central processing unit for **transmitting information** to and from said central processing unit.
- 17* A portable personal performance monitor as recited in claim 8, further comprising an electrical connector for connecting...
- 20 A portable personal performance monitor as recited...

...the athlete, an output

of said body temperature sensor being input to said central processing unit.

21* A system for comparing the performance of an **athlete** with the **performance** of other **athletes**, said system comprising:

30

a **global positioning System GPS** receiver for obtaining

a series of time-stamped waypoints;

means for computing **athletic performance** feedback data from the series of time-stamped waypoints obtained by said **GPS** receiver;

means for presenting the **athletic performance** feedback data to an athlete; and

a modem for transmitting the **athletic performance** feedback data to a remote computer for comparison with **athletic performance** data of other **athle**

23 A system as recited in claim 21, further comprising a headset and an audio module for presenting the **athletic performance** feedback data over said headset,

32 A portable personal performance monitor as recited in claim 31, further comprising:
a heart **rate monitor** connected to said central processor unit.

27/TI,PN,PD,PY,K/5 (Item 5 from file: 349)
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EVENT MESSAGE ENDPOINTS IN A DISTRIBUTED COMPUTING ENVIRONMENT
 POINTS D'EXTREMITÉ DE MESSAGE D'ÉVÉNEMENT DANS UN ENVIRONNEMENT
 INFORMATIQUE RÉPARTI (ENVIRONNEMENT DCE)

Patent and Priority Information (Country, Number, Date):
 Patent: WO 200186439 A2 20011115 (WO 0186439)
 Publication Year: 2001

Claim

... other embodiments, an error detection scheme such as cyclic redundancy checking may be used. Cyclic redundancy checking is a method of checking for errors in **data** that is **transmitted** on a communications link. In an embodiment using cyclic redundancy checking, the sender applies an n-bit polynomial to the message and appends the resulting... other embodiments, an error detection scheme such as cyclic redundancy checking may be used. Cyclic redundancy checking is a method of checking for errors in **data** that is **transmitted** on a communications link. In an embodiment using cyclic redundancy checking, the sender applies an n-bit polynomial to the message and appends the resulting... identification such as a digital signature for identification and authorization. Any other method of identification and authorization may be used. Once identified and authorized, the **user** may then **perform** various operations on the client, including accessing one or more services in the distributed computing environment. During these operations, as described above, one or more... be applied in other distributed computing environments, for example, the Jini system from Sun Microsystems, Inc. In one embodiment, a mobile client device may include **Global Positioning System (GPS)** capability and wireless connection technology. Local distributed computing networks may be provided. For example, a city may provide a cityw(inverted exclamation mark)de distributed...

...include individual service and/or data advertisements for accessing services of and information about the entity the space represents. The discovery mechanism may include a **GPS** location or locations of the local distributed computing environment, entities represented by space services within the environment, and/or the various services advertised in the...

...intervals, provide a location vector as input to the local lookup or discovery mechanism. The mobile client device may obtain the location vector from a **GPS** system built into or associated with the mobile client. In one embodiment, the client may send its location information (e.g. via XML 3 5...the service and some on the client. For example, the service may execute code to perform operations on a set of data such as numerical **calculations**. The **mobile** client device may execute code that may display portions of the data passed to the client from the service in XMI, messages and allow the...

...set of data. Figure 38 illustrates a mobile client device accessing spaces in a local distributed computing network, according to one embodiment. A user of **GPS**-enabled mobile computing device 1700 may move into proximity of a local distributed computing environment. The mobile client device 1700 may provide its location provided by **GPS** 1702 to one or more discovery mechanisms 1706 in the local distributed

computing network. The discovery mechanism 1706 may use the provided GPS location of the mobile client device and predetermined locations of

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spaces within the environment to determine when the user moves within a specified...

...docking stations to discover the location and availability of docking stations within a specified range of the user. 1 5 Discovery mechanism 1706 may also **detect** when **mobile** client device 1700 moves into a selected range of space 1714. The various service advertisements 1718 and content advertisements 1720 may then be made available... stations according to one embodiment. Mobile client device 1750 may connect with discovery mechanism 1756. Mobile client device 1750 may provide a location obtained using GPS 1752 to discovery mechanism 1756. Mobile client device 1750 may also provide docking station requirements to discovery mechanism 1756. Discovery mechanism 1756 may search one...

27/TI,PN,PD,PY,K/3 (Item 3 from file: 349)
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ON-LINE HEALTH MONITORING

MONITORAGE EN LIGNE DE LA SANTE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200271305 A2 20020912 (WO 0271305)

Publication Year: 2002

Claim

... being provided with a first transceiver for transmitting a signal representing the identity and the measured data and receiving commands from a master unit, a **mobile** user terminal with **monitoring** means, acting as a master unit for the at least one sensor comprising:
☐ a second transceiver unit for bi-directional data communication with the at...

...sensor.

12 A system according to any of the preceding claims, further comprising means for locating the mobile user terminal by means of using a

Global

Positioning System (G

21 A system according to any of the preceding claims, wherein the means for

receiving the wirelessly transmitted data and/or signals are adapted for communication with the protocol for Bluetooth TM communication.

22 A method for monitoring on-line the condition of a...wherein the subject related condition signal further comprises the location of the subject.

30 A method according to any of the claims 22-29, wherein **transmitting the data** from the at least one sensors to the mobile **user** terminal is **performed** through a wireless connection.

31 A method according to any of the claims 22, wherein the stationer-monitoring unit collects the receiving data in a...

...has a mobile user terminal that collects electrical information from at least one sensor unit and questionnaire based information, wherein after responding to said questionnaire **data transmits** on-line the responding data to a questioner.

27/TI,PN,PD,PY,K/1 (Item 1 from file: 349)
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MOVEMENT AND EVENT SYSTEMS AND ASSOCIATED METHODS RELATED APPLICATIONS
SYSTEMES D'EVENEMENTS ET DE MOUVEMENTS ET PROCEDES ASSOCIES
Patent and Priority Information (Country, Number, Date):
Patent: WO 200293272 A1 20021121 (WO 0293272)
Publication Year: 2002

Claim

... facilitate communications with the receiver.

12 A device of claim 1, wherein the first communications port responds to an interrogation signal from the receiver to **transmit data** from the device to the receiver.

13 A device of claim 1, wherein the first communications port comprises a one-way transmitter. . 14. A device of claim 13, wherein the **transmitter transmits data** to the receiver at preselected time intervals.

15 A device of claim 14, wherein the time intervals comprise one of 5 seconds, 10 seconds, 20 claim 14, wherein the **transmitter transmits data** to the receiver substantially continuously, wherein data substantially corresponds to real-time signals from the detector.

54 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to **detect airtime**.

55 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to detect impact.

56 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to **detect speed**.

57 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to detect power.

58 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to **detect drop distance**.

59 A device of claim 53, wherein the processor processes acceleration signals from the accelerometer to detect jarring.

60 A device of claim 53, wherein the detector comprises a triaxial accelerometer. 3.5 61. A device of claim 60, wherein the processor processes acceleration signals from the accelerometer to **detect airtime**.

82 A device of claim 1, further comprising a **GPS** chip for locating

the device, data from the **GPS** chip providing information of where at least one of the events occurred.

83 A canister for dispensing a plurality of mobile electronic devices and for...the processor reporting information associated with occurrence of the g load acceleration. 144. A sensor of claim 143, further comprising a communications port for wirelessly **transmitting** the **information** to a receiver. 145. A sensor of claim 143, further comprising a real time clock for time tagging the information with one of time and...179, wherein the step of capturing performance data comprises providing a data capture device with each of the competitors, the step of wirelessly communicating comprising **transmitting** performance **data** from the data capture device. 198. A method of claim 179, further comprising relaying ...199, wherein the step of capturing performance data comprises providing a data capture device with each of the competitors, the step of wirelessly communicating comprising **transmitting** performance **data** from the data: capture device. 218. A method of claim 199, further comprising the step of communicating at least part of the performance data from...if the requested game maneuver is not within the limits of the real performance data. 230. A method of claim 229, wherein the step of **downloading** comprises communicating **data** from a movement monitor device, that captured the real performance data, to the computer controlling the computerized game.

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. A method of claim 229, wherein the computerized game comprises an arcade game. 233. A method of claim 229, wherein the real **performance** data comprises **user** airtime. 234. A method ... determining speed violations relative to the preselected speed threshold within any of the zones. 248. A ticket of claim 235, wherein the detector comprises a **GPS** receiver and wherein the location comprises earth location.

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. A ticket of claim 235, wherein the detector comprises an altimeter and wherein the location comprises...time comprise storing the distance traveled and ski lift time at the remote computer. 258. A method of claim 256, further comprising the steps of **calculating speed** at the remote computer and wirelessly communicating the speed to a bar code reader at the ski lift. 259. A method of claim 254, wherein...signals and generating an alarm indicating stress of the individual. 267. A method of claim 266, wherein the step of sensing repetitive movements comp

rises **sensing** respiratory **ra**

27/TI,PN,PD,PY,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR AUTOMATING A VEHICLE RENTAL PROCESS
SYSTEME ET PROCEDE POUR AUTOMATISER UN PROCESSUS DE LOCATION DE VEHICULES
Patent and Priority Information (Country, Number, Date):

Patent: WO 200289077 A1 20021107 (WO 0289077)
Publication Year: 2002

Claim

... visual, tactile or voice interface can distract a, rental vehicle operator and create a safety hazard. Thus, it is provided for the OBU system to **monitor** the vehicle **speed** throughout most processes and for its display to be automatically shut down or for the voice commands to be limited to simple operations when the...measurement quickly and with a reasonable accuracy when cabling. As can be seen in Figure 15A, the OBU constantly receives a data stream from the **GPS** antenna and receiver. By frequently sampling such **GPS** coordinates (e.g. 3 times per second). and processing it further, the OBU is able to determine with good accuracy the distance traveled by the vehicle. To further guarantee the integrity of the positioning data, it is also provided for the OBU to frequently reference (dead reckon) sampled **GPS** coordinates against another measuring system such as a digital road map featuring actual distances.

transaction **data** to the CRMLS for further treatment and billing.

6 56 Locking doors automatically

As users can forget to confirm the end of a rental transaction...the ACU communicates with the CRIVILS and triggers the automated billing of the service.

7.4 System upgrades, software downloads and manual verifications

7 1 Information downloads

As can be seen in Figure 14C, users may request services from the OBU such as downloading a map, obtaining weather forecasts or find hotel locations. Upon receiving such requests, it is provided for the OBU to contact the CRIVILS and **download** the necessary **data** over wireless networks.

7 2 Software upgrades

1 5

As can be seen in Figure 19D, the CRIVILS verifies if a specific vehicle's OBU...an RF modem; an infrared device; a keyboard and display; a smart card reader; a transponder; a dedicated short range communication device; an antenna and **GPS** receiver; or a combination thereof.

19 A system according to claim 1, wherein upon a reservation being **performed** by a **user**, information related to said reservation is transmitted to the OBU of the reserved vehicle.

1 0

20 A system according to claim I , wherein at...in use, and takes corrective action if said vehicle is used outside said geographic perimeter.

23 A system according to claim 1, wherein said OBU **monitors** a **speed** of said vehicle, and wherein said OBU takes corrective action is said speed of said vehicle exceeds a speed limit, or decreases

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SYSTEM:OS - DIALOG OneSearch

File 2:INSPEC 1969-2003/Jan W3
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*File 2: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 6:NTIS 1964-2003/Jan W4
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*File 6: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 8:Ei Compendex(R) 1970-2003/Jan W3
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*File 8: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jan W4
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*File 34: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2003/Jan
(c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/Jan W4
(c) 2003 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2003/Nov W3
(c)2003 Japan Science and Tech Corp(JST)
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec
(c) 2003 The HW Wilson Co.
File 144:Pascal 1973-2003/Jan W3
(c) 2003 INIST/CNRS
File 305:Analytical Abstracts 1980-2003/Jan W2
(c) 2003 Royal Soc Chemistry
*File 305: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.
File 315:ChemEng & Biotec Abs 1970-2002/Dec
(c) 2002 DECHEMA
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200307
(c) 2003 Thomson Derwent
*File 350: Alerts can now have images sent via all delivery methods. See HELP ALERT and HELP PRINT for more info.
File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)
(c) 2003 JPO & JAPIO
*File 347: JAPIO data problems with year 2000 records are now fixed. Alerts have been run. See HELP NEWS 347 for details.
File 344:Chinese Patents Abs Aug 1985-2002/Dec
(c) 2003 European Patent Office
File 371:French Patents 1961-2002/BOPI 200209
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*File 371: This file is not currently updating. The last update is 200209.

*company
search*

01/31/2003

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09/992,966

Set	Items	Description
S1	0	CO='LIQUID S'
S2	1	CO='LIQUID SPARK LLC'
S3	0	S2 AND ((DROP(W)DISTANC???? OR RATE??? OR SPEED??? OR AIRT- IM????? OR AIR(W)TIM???? OR MOBIL???????) (3N) (DETECT? OR SENS- E? OR SENSING OR ANALYZ? OR ANALYS? OR ESTIMAT? OR CALCULAT? - OR MEASUR? OR MONITOR?))
S4	1	S2 AND ((SPEED? OR AIR()TIME OR AIRTIME OR DROP()DISTANC? - OR POWER????? OR ENERG??? OR AGGRESSIVE????? OR VELOCIT???? OR POSITION?) (3N) (SENS????? OR RECEIV?????))
S5	1	S2 AND ((ATHLET???? OR SPORTSMEN OR SPORTS()MEN OR USER??) - (3N)PERFORM?????????)
S6	0	S5 NOT S4
S7	0	S2 AND ((WIRELESS OR WIRE()LESS OR MOBIL???????) (3N) (SENSOR- ???????? OR RECEIV?????????))

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Irina Speckhard

308-6559

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4/3,AB/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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012794999

WPI Acc No: 1999-601229/199951

XRPX Acc No: N99-443242

Portable feedback system e.g. for athlete's GPS based performance monitor
 Patent Assignee: SPORTBUG.COM INC (SPOR-N); ROOT G M (ROOT-I); VAN HOORN F
 (VHOO-I); **LIQUID SPARK LLC** (LIQU-N)
 Inventor: ROOT G M; VAN HOORN F
 Number of Countries: 087 Number of Patents: 006
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9949279	A1	19990930	WO 99US4273	A	19990326	199951 B
AU 9933532	A	19991018	AU 9933532	A	19990326	200009
US 6013007	A	20000111	US 9848214	A	19980326	200010
EP 1076806	A1	20010221	EP 99914883	A	19990326	200111
			WO 99US4273	A	19990326	
AU 742130	B	20011220	AU 9933532	A	19990326	200208
JP 2002507734	W	20020312	WO 99US4273	A	19990326	200220
			JP 2000538202	A	19990326	

Priority Applications (No Type Date): US 9848214 A 19980326

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9949279 A1 E 48 G01B-021/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
 CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
 SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9933532 A Based on patent WO 9949279

EP 1076806 A1 E G01B-021/00 Based on patent WO 9949279

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
 LU MC NL PT SE

AU 742130 B G01B-021/00 Previous Publ. patent AU 9933532

Based on patent WO 9949279

JP 2002507734 W 39 G01C-022/00 Based on patent WO 9949279

Abstract (Basic): WO 9949279 A1

Abstract (Basic):

NOVELTY - The system has a global **position** system
receiver which obtains a series of time stamped way points.
 Athletic performance feedback data is computed from the series of time
 stamped way points obtained by the GPS receiver. The athletic
 performance feedback data is presented to an athlete.

DETAILED DESCRIPTION - INDEPENDENT CLAIMs are also included for (1)
 a portable personal performance monitor, and (2) for a portable health
 monitoring and analyzing system.

USE - For athlete's GPS based performance monitor.

ADVANTAGE - Provides device which is portable, rugged, weather
 resistant and self contained. Continuously and accurately determines
 position of outdoor athlete anywhere in world. Continuously provides
 accurate, real time performance feedback such as elapsed time, elapsed
 distance, current and average speeds and paces, current climbing rate,

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Irina Speckhard

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independent of its outdoor location in world.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic of the electronic components of the GPS based personal performance and feedback device.

pp; 48 DwgNo 6/12

01/31/2003

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31jan03 10:52:37 User267149 Session D557.1

File 416:DIALOG COMPANY NAME FINDER(TM) 2001/Aug
(c) 2000 Dialog Info.Svcs.

? E CO=LIQUID

Ref	Items	Index-term
E25	2	CO=LIQUID // SIENER LEDERWARENGESELLSCHAFT M B H
E26	3	CO=LIQUID // SINGAPORE OXYGEN AIR
E27	1	CO=LIQUID // SINO-ITALIAN JOINT VENTURE DALIAN MA
E28	2	CO=LIQUID // SMOLA TRANSPORTE GESELLSCHAFT M B H
E29	3	CO=LIQUID // SOCIETE ANONYME DES AUTO PANNEAUX SA
E30	1	CO=LIQUID // SOCIETE DES GARDE-TEMPS NEUCHATEL SA
E31	1	CO=LIQUID // SOCIETE DU GROUPE AIR
E32	1	CO=LIQUID // SOFT & SENSUAL COOLING
E33	3	CO=LIQUID // SOGAL STE GEST ADMIN ET
E34	2	CO=LIQUID // SPECIALIZED MOBILE
E35	2	CO=LIQUID // STAY SOLID &